4	
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L Number	Hits	Search Text	DB	Time stamp
1	1	6146543.pn.	USPAT	2002/08/20
	1504	(sacrific\$3 adj layer) and (438/\$.ccls.	USPAT;	16:57 2002/08/15
_	2259	or 257/\$.ccls.) fluid adj2 gap	US-PGPUB USPAT;	11:10
			US-PGPUB	20:19
-	247	(438/48).CCLS.	USPAT; US-PGPUB	2002/07/29
-	3185	sacrific\$3 adj layer	USPAT;	2002/07/22
-	529	(438/745).CCLS.	US-PGPUB USPAT;	13:18 2002/07/22
-	6	(fluid adj2 gap) and (sacrific\$3 adj	US-PGPUB USPAT;	13:18 2002/07/24
_	32	layer) ((438/48).CCLS.) and (sacrific\$3 adj	US-PGPUB USPAT;	18:44 2002/07/22
_	16	layer) ((438/745).CCLS.) and (sacrific\$3 adj	US-PGPUB USPAT;	13:42
		layer)	US-PGPUB	13:23
-	8	(((438/745).CCLS.) and (sacrific\$3 adj layer)) and fluid	USPAT; US-PGPUB	2002/07/22 13:43
-	4	(((438/48).CCLS.) and (sacrific\$3 adj layer)) and fluid	USPAT; US-PGPUB	2002/07/22
_	87588	fluid\$3 and gap\$1	USPAT;	2002/07/22
_	12459	sacrific\$3 and gap\$1	US-PGPUB USPAT;	13:44
			US-PGPUB	13:45
-	1350	sacrific\$3 same gap\$1	USPAT; US-PGPUB	2002/07/23 17:00
_	11	"105399"	USPAT; US-PGPUB	2002/07/22 23:22
-	45	nanochannel	USPAT;	2002/07/23
_	6	nanochannel and sacrific\$3	US-PGPUB USPAT;	13:15 2002/07/23
_	721	(sacrific\$3 same gap\$1) and pattern\$3	US-PGPUB USPAT;	13:15 2002/07/23
_	1	("5461003").PN.	US-PGPUB USPAT	17:01 2002/07/24
_	1	(disposable adj layer) same (gap\$1 and	USPAT;	18:11 2002/07/24
_	2319	pattern\$3) fluid\$3 adj2 gap	US-PGPUB USPAT;	18:15 2002/07/25
			US-PGPUB	17:08
_ ^	19	(fluid\$3 adj2 gap) and sacrificial	USPAT; US-PGPUB	2002/07/28 18:05
-	5	nanofluid	USPAT; US-PGPUB	2002/07/25
-	3279	(floor or ceiling or sacrificial) adj	USPAT;	2002/07/25
_	369	layer sacrific\$3 same (gap\$1 and pattern\$3)	US-PGPUB USPAT;	17:11 2002/07/26
_	882	microfluidic or (micro adj fluid\$2)	US-PGPUB USPAT;	12:01 2002/07/28
_	1	("5137618").PN.	US-PGPUB USPAT	17:26
	1	("5966600").PN.	USPAT	17:26 2002/07/28
				2002/07/28 17:26 2002/07/28
_	1	("5950091").PN.	USPAT	17:26
_	1	("5660680").PN.	USPAT	2002/07/28
_	4	"535875"	USPAT; US-PGPUB	2002/07/28 22:42
_	439	(silicon or polysilicon) near sacrificial	USPAT; US-PGPUB	2002/08/02
-	121	((silicon or polysilicon) near	USPAT;	2002/07/28
_	960	sacrificial) and gap sacrificial near2 substrate	US-PGPUB USPAT;	23:34
	<u> </u>		US-PGPUB	23:35

-	480	(sacrificial adj layer) near2 substrate	USPAT; US-PGPUB	2002/07/28
_	199	(438/50).CCLS.	USPAT;	2002/07/29
	29	((438/50).CCLS.) and fluid\$2	US-PGPUB USPAT;	10:29 2002/07/30
-	29	((430/30).ccbs.) and lidity2	US-PGPUB	16:11
_	6	(fluid\$2 adj2 gap) and (sacrific\$3 adj	USPAT;	2002/07/30
_	948	layer) gap and (sacrific\$3 adj layer) and	US-PGPUB USPAT;	20:20
	310	(polysilicon or silicon)	US-PGPUB	20:22
_	268	gap and ((polysilicon or silicon) near3	USPAT;	2002/07/30
_	4382	(sacrific\$3 adj layer)) (polysilicon or silicon) and (silicon adj	US-PGPUB USPAT;	21:38
		nitride) and (channel or chamber or gap	US-PGPUB	21:41
		or space or microchannel or nanochannel) and (tetramethyl ammonium hydroxide or		
		TMAH)		
-	460	((polysilicon or silicon) and (silicon adj nitride) and (channel or chamber or	USPAT; US-PGPUB	2002/07/30
		gap or space or microchannel or	US-PGPUB	21:43
		nanochannel) and (tetramethyl ammonium		
		hydroxide or TMAH)) and (disposable or sacrificial)		
_	1	·	US-PGPUB	2002/07/30
_	1	(US-20020019152-\$).did.	US-PGPUB	21:48
				21:50
-	1	(US-20020001968-\$).did.	US-PGPUB	2002/07/30
_	1	(US-20020000959-\$).did.	US-PGPUB	2002/07/30
	1	 "836449"	US-PGPUB	21:59 2002/08/01
_	1	030443	US-PGPUB	17:25
-	0	20020020053.URPN.	USPAT	2002/08/01
_	18	fonash.in.	USPAT	17:24 2002/08/01
	_	(#5002140# + #525060# + #5607200# +		17:28
_	7	("5093149" "5358600" "5627382" "5866204" "5882496" "6086679"	USPAT	2002/08/01
	4.50	"6279504").PN.		
_	469	microfluidic	USPAT	2002/08/01
- ,	50	mastrangelo.in.	USPAT	2002/08/01
_	1	(US-6271021-\$).did.	USPAT	20:10
	_		^	20:11
_	1	(UŜ-5493177-\$).did.	USPAT	2002/08/01 20:12
-	1	(US-5332469-\$).did.	USPAT	2002/08/01
	1	 (US-5258097-\$).did.	USPAT	20:13 2002/08/01
			JERI	20:14
-	188	((amorphous adj silicon) or polysilicon) near sacrificial	USPAT; US-PGPUB	2002/08/02
_	16		USPAT;	2002/08/02
		near sacrificial) and (tmah or	US-PGPUB	11:35
_	1	tetramethyl) ("6136212").PN.	USPAT	2002/08/10
				23:59
_	7785	(micro adj machin\$3) or micromachin\$3	USPAT; US-PGPUB	2002/08/10
-	2630	((micro adj machin\$3) or micromachin\$3)	USPAT;	2002/08/10
_	898	and fluid\$2 (((micro adj machin\$3) or micromachin\$3)	US-PGPUB USPAT;	18:28 2002/08/10
		and fluid\$2) and (temporary or	US-PGPUB	18:38
_	1	sacrificial or removable or filler) Microfluidic near3 Silicon adj Substrates	USPAT;	2002/08/10
	_	initialization indicates billion duj bubbliates	US-PGPUB	19:12

-	823		USPAT;	2002/08/10
		and fluid\$2) and (temporary or	US-PGPUB	19:32
		sacrificial or removable or filler)) and		
İ		(semiconductor or substrate or wafer)		
_	1	(US-5788468-\$).did.	USPAT	2002/08/10
				19:47
-	46	nanochannel	USPAT;	2002/08/10
			US-PGPUB	21:18
-	19	microchannel same sacrificial	USPAT;	2002/08/10
			US-PGPUB	21:18
-	54	microchannel and sacrificial	USPAT;	2002/08/10
			US-PGPUB	21:22
-	65227	capillary or microcapillary	USPAT;	2002/08/10
			US-PGPUB	21:22
_	520	(capillary or microcapillary) and	USPAT;	2002/08/10
		sacrificial	US-PGPUB	21:32
-	616		USPAT;	2002/08/10
		micromachin\$3) and fluid\$2) and	US-PGPUB	21:23
		(temporary or sacrificial or removable or		
		filler)) and (semiconductor or substrate		
ŀ		or wafer)) and (channel or groove or		
Ì		passage or passageway)		
-	439	((capillary or microcapillary) and	USPAT;	2002/08/10
		sacrificial) not (((((micro adj	US-PGPUB	21:31
		machin\$3) or micromachin\$3) and fluid\$2)		
		and (temporary or sacrificial or		
		removable or filler)) and (semiconductor		
		or substrate or wafer)) and (channel or		1
		groove or passage or passageway))		
-	435	(((capillary or microcapillary) and	USPAT;	2002/08/10
		sacrificial) not (((((micro adj	US-PGPUB	21:32
		machin\$3) or micromachin\$3) and fluid\$2)		
		and (temporary or sacrificial or		
		removable or filler)) and (semiconductor		
		or substrate or wafer)) and (channel or		
		groove or passage or passageway))) not		and the state of t
		(nanochannel or (microchannel and		
		sacrificial))	TTG D D III	2002/00/10
-	54	((capillary or microcapillary) and sacrificial) and fluidic	USPAT; US-PGPUB	2002/08/10 21:36
	217		USPAT;	2002/08/10
-	317	(nanoscale or nano-scale or microscale or micro-scale) same (void or cavity or	US-PGPUB	21:37
		channel or groove)	U3-FGFUB	21.37
_	29	((nanoscale or nano-scale or microscale	USPAT;	2002/08/10
-	29	or micro-scale) same (void or cavity or	US-PGPUB	21:40
		channel or groove))\and sacrificial	OD FGFOD	21.40
\	23	((multi adj level) or multilevel) same	USPAT;	2002/08/10
	2.5	(sacrificial adj layer)	US-PGPUB	22:46
_	342	(second or secondary) near (sacrificial	USPAT;	2002/08/10
	342	adi laver)	US-PGPUB	21:59
_	41	((second or secondary) near (sacrificial	USPAT;	2002/08/10
		adj layer)) and fluidic	US-PGPUB	21:53
_	12	((second or secondary) near (sacrificial	USPAT;	2002/08/10
		adj layer)) and (microfluidic or	US-PGPUB	21:53
		microchannel or nanochannel)		
_	118	micromachin\$3 and ((second or secondary	USPAT;	2002/08/10
		or another or additional) adj	US-PGPUB	23:10
		(sacrificial adj layer))		
_	68	pattern\$2 near4 ((second or secondary or	USPAT;	2002/08/10
		another or additional) adj2 (sacrificial	US-PGPUB	23:11
		adj layer))		1
-	39		USPAT;	2002/08/10
		another or additional) adj2 (sacrificial	US-PGPUB	23:29
		adj layer))) not (micromachin\$3 and		
		((second or secondary or another or		
		additional) adj (sacrificial adj layer)))		
-	1	("6146543").PN.	USPAT	2002/08/10
				23:53
-	5	"974738"	USPAT;	2002/08/10
			US-PGPUB	23:53

_	14	("5006749" "5270184" "5451500"	USPAT	2002/08/10
	İ	"5455166" "5498392" "5587128"		23:54
		"5589136" "5591609" "5614389"	}	
		"5616478" "5639423" "5712124"	İ	
		"5733733" "5872010").PN.	1	
_	l 0	6379929.URPN.	USPAT	2002/08/10
		00,000000		23:55
_	17	("4456679" "4896098" "4946549"	USPAT	2002/08/10
	- '	"5031821" "5144411" "5190637"	"""	23:55
		"5258097" "5274913" "5291066"		23.00
		"5397827" "5439768" "5576147"		
		"5767687" "5788468" "5839722"		
		"5876582" "5903041").PN.		
_	1	("5206983").PN.	USPAT	2002/08/11
-	*	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	OSFAI	00:29
	1	("6379929").PN.	USPAT	2002/08/11
-	1	(03/9929).PN.	USPAI	00:43
	1	/#5700040#\ DN	USPAT	1
-	1	("5798042").PN.	USPAT	2002/08/11
	700	/malemant1 and largery same demonstria-	IICDAM:	00:52
_	788	(polymer\$1 adj layer) same deposition	USPAT;	1
	105	(malemano) and large variety	US-PGPUB	08:28
-	195	(polymer\$1 adj layer) near4 deposition	USPAT;	2002/08/13
	1.5	(mallimand) and largery many (already 2)	US-PGPUB	08:29
-	15	(polymer\$1 adj layer) near4 (chemical adj	USPAT;	2002/08/15
		vapor adj deposition)	US-PGPUB	11:38
-	142	polymer\$1 near4 (chemical adj vapor adj	USPAT;	2002/08/13
		deposition)	US-PGPUB	08:33
-	130	(polymer\$1 near4 (chemical adj vapor adj	USPAT;	2002/08/13
	-	deposition)) not ((polymer\$1 adj layer)	US-PGPUB	09:46
		near4 (chemical adj vapor adj		
		deposition))		
-	12	mastrangelo	US-PGPUB	2002/08/13
				09:49
_	50	mastrangelo.in.	USPAT	2002/08/13
				10:25
_	73	(third or 3rd) adj (sacrificial adj	USPAT;	2002/08/13
		layer)	US-PGPUB	15:47
-	6	[USPAT;	2002/08/13
		layer)) same (channel	US-PGPUB	15:48
-	212	(microscale or microfluidic or capillary	USPAT;	2002/08/13
		or microchannel) and (sacrificial adj	US-PGPUB	16:05
		layer)		
-	1	("5871158").PN.	USPAT	2002/08/13
				15:54
-	4	5871158.URPN.	USPAT	2002/08/13
		^		15:52
] -	1 1	("6136212").PN.	USPAT	2002/08/13
]				15:54
-	3	6136212.URPN.	USPAT	2002/08/13
				15:54
-	17	("4456679" "4896098" "4946549"	USPAT	2002/08/20
		"5031821" "5144411" "5190637"		12:38
		"5258097" "5274913" "5291066"		1
		"5397827" "5439768" "5576147"		
		"5767687" "5788468" "5839722"		
		"5876582" "5903041").PN.		<u> </u>
-	1715	channel and (sacrificial near2 layer)	USPAT;	2002/08/15
			US-PGPUB	11:40
-	599	(fluid\$3 adj2 gap) and pattern\$3	USPAT;	2002/08/15
			US-PGPUB	11:37
-	48	microfluidic and sacrificial	USPAT	2002/08/15
				11:37
-	79	((microscale or microfluidic or capillary	USPAT;	2002/08/15
		or microchannel) and (sacrificial adj	US-PGPUB	11:38
		layer)) and (multilevel\$1 or multilayer\$2		1
		or (multiple adj (level\$1 or layer\$2)))		

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	1.054	1 /-b1 1 / 6: -io1 moom2 1	TIGDEM.	1 2002 (20 /16
_	1654	1 '	USPAT;	2002/08/16
		not (((fluid\$3 adj2 gap) and pattern\$3)	US-PGPUB	11:43
		or (microfluidic and sacrificial) or		
		(((microscale or microfluidic or		
		capillary or microchannel) and		
		(sacrificial adj layer)) and		
		(multilevel\$1 or multilayer\$2 or		
		(multiple adj (level\$1 or layer\$2)))))		
-	384	channel same (sacrificial near2 layer)	USPAT;	,2002/08/15
			US-PGPUB	11:40
-	11	artificial adj gel	USPAT;	2002/08/20
			US-PGPUB	00:31
-	338	sacrificial same (sealing or	USPAT;	2002/08/20
		encapsulating)	US-PGPUB	00:33
-	140	(sacrificial same (sealing or	USPAT;	2002/08/20
		encapsulating)) and (oxide or oxidizing)	US-PGPUB	00:32
-	47	sacrificial same (sealing or	USPAT;	2002/08/20
		encapsulating) same (oxide or oxidizing)	US-PGPUB	11:07
-	16008	polymer\$1 near3 (oxide or oxidizing)	USPAT;	2002/08/20
			US-PGPUB	11:13
_	12070	polymer\$1 near2 (oxide or oxidizing)	USPAT;	2002/08/20
			US-PGPUB	11:20
_	0	(polymer\$1 near2 (oxide or oxidizing))	USPAT;	2002/08/20
		same (hole and (seal or sealing))	US-PGPUB	11:23
_	43	(polymer\$1 near2 (oxide or oxidizing))	USPAT;	2002/08/20
		same hole	US-PGPUB	11:22
_	4		USPAT;	2002/08/20
	_	or sealing)	US-PGPUB	11:23
_	5	("6136212" "5591139" "4698407"	USPAT	2002/08/20
		"5258097" "5871158").PN.		16:57
		1 22222 1 20/2220 /	1	1 20.01